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The plan provides for the training of engineers as scientists and research experts, the use of graduate students for research and the employment of research experts as lecturers and instructors part time in the regular courses of engineering and science in the schools where the stations are established. There is included a universal research library system, making easily available the important information resulting from the researches in the proposed engineering experiment stations.

The fifth session was held in the evening of Friday, December 29, in the auditorium of the United Engineering Society building at the invitation of the American Society of Civil Engineers, the American Institute of Mining Engineers, the American Society of Mechanical Engineers and the American Institute of Electrical Engineers. Vice-president Dr. Henry M. Howe presided. The attendance was about 325.

The program of the session, which was devoted to the subject "Interrelationship of Engineering and Pure Science," was as follows:

Address by Dr. Henry M. Howe, vice-president, Section D, A. A. A. S., and past-president, American Institute of Mining Engineers.

Address by Dr. Bion J. Arnold, retiring vice-president, Section D, A. A. A. S., and past-president, American Institute of Electrical Engineers.

Address by Clemens Herschel, president, American Society of Civil Engineers.

Address by Dr. Ira N. Hollis, president, Worcester Polytechnic Institute, and president, American Society of Mechanical Engineers.

The session was followed by a reception, dance and collation tendered by the American Society of Civil Engineers, the American Institute of Mining Engineers, the American Society of Mechanical Engineers and the American Institute of Electrical Engineers to the American Association for the Advancement of Science.

ARTHUR H. BLANCHARD,
Secretary

MINUTES OF THE COUNCIL

THE council met in the U. S. National Museum, Washington, D. C., on Tuesday, April 17, 1917, at 4:45 P.M., Mr. Humphreys, vice-president, in the chair. The following members were present: Messrs. Van Hise, Pickering, Nichols, Cattell, Fairchild, W. A. Noyes, Merritt, Kober, Humphreys and Howard.

The committee, on policy submitted a report through its chairman, Mr. Nichols, and,

on recommendation, the following actions were taken by the council:

On nomination, Mr. E. L. Thorndike, of Columbia University, was elected vice-president and chairman of Section H, in place of Mr. E. B. Titchener, declined. On nomination, Mr. E. K. Strong, of Nashville, was elected as secretary of Section H for the unexpired term of one year, vice Mr. MacCurdy, resigned.

On motion, the following societies were admitted to affiliation with the American Association for the Advancement of Science with privilege of the waiving of the entrance fee to such of their members as may join the American Association for the Advancement of Science during the current year:

Society of College Teachers of Education,
National Society for the Study of Education.

On motion, the general secretary was instructed to inform the officers of the National Education Association that the American Association for the Advancement of Science would welcome the National Education Association as an affiliated society. It was moved to amend the original recommendation of the committee on policy to include also the American Association of University Professors in the above action.

On motion, it was resolved that the general secretary be authorized to prepare and publish, with the assistance of the permanent secretary, a membership list of the American Association for the Advancement of Science provided it could be done without expense to the association.

An informal report was made by Mr. Nichols to the effect that the proposed alterations to the constitution and the formulation of by-laws were in definite shape and would be ready for presentation at an early date. It was, on motion, resolved that, upon the completion of the committee's work, the results be published in *SCIENCE* with such memoranda as may be desirable, this publication to be at least one month prior to the Pittsburgh meeting. On separate motion, it was resolved that the publication carry with it an invitation for comment from members.

The permanent secretary read a tabulated list covering the accessions of new members during the past year under the Columbus resolution waiving the entrance fee to members of affiliated societies.

The permanent secretary presented his financial report for the fiscal year, November 1, 1915, to October 31, 1916, which, on motion, was accepted and ordered printed in SCIENCE.

Through its secretary, the committee on grants made an informal report covering the recommendations of the committee for the disposal of the \$4,000 currently available, with the understanding that the full report will be published in an early issue of SCIENCE. Mr. Pickering, chairman of the above committee, stated that the committee favored the expenditure each year of the entire amount available.

A letter from the Pacific Division with regard to the activities of that division in connection with matters of preparedness policy on the Pacific coast, was read by the permanent secretary. On motion the permanent secretary was instructed to inform the Pacific Division of the appreciation of the council of the important work which that division is accomplishing.

At 5:20 P.M., the council adjourned.

L. O. HOWARD,
Permanent Secretary

FINANCIAL REPORT OF THE PERMANENT SECRETARY

L. O. HOWARD, PERMANENT SECRETARY, IN
ACCOUNT WITH THE AMERICAN ASSOCIATION
FOR THE ADVANCEMENT
OF SCIENCE

FROM NOVEMBER 1, 1915, TO OCTOBER 31, 1916

Dr.

To balance from last account	\$4,616.04	
<i>To receipts from members:</i>		
Annual dues, 1916	\$30,856.00	
Annual dues, 1917	170.00	
Annual dues, previous years	320.00	
Admission fees	1,255.00	
Associate membership fees	12.00	
Life membership fees	1,000.00	\$33,613.00
<i>To other receipts:</i>		
Sale of publications	52.52	
Miscellaneous receipts, as follows:		

One (1) patron (\$50 previously paid for life membership	950.00	
Treasurer's payment towards subscriptions to SCIENCE for life members, two years—1914 and 1915	793.89	
Interest on deposits, sale of programs, postage, refund from Columbus local committee.	442.47	\$2,238.88
		<u>\$40,467.92</u>

Cr.

<i>By publications:</i>		
Publishers SCIENCE	\$21,292.05	
Preliminary announcement, circulars, forms, etc.	854.87	\$22,146.92
<i>By expenses Columbus meeting:</i>		
To secretaries of sections, general secretary and secretary of council ...	666.78	
To badges, help and general expenses	272.68	939.46
<i>By expenses of Pacific Division:</i>		
To salary of assistant secretary	1,200.00	
To allowance for office expenses	600.00	
To allowance for extension of membership	521.55	\$2,321.55
<i>By expenses of Washington office:</i>		
To salary of permanent secretary	1,500.00	
To salary of assistant secretary	1,500.00	
To extra help	984.07	
To postage	1,288.67	
To office supplies, stamp affixer, etc.	170.74	
To expressage, telephone and telegrams	89.96	\$5,533.44
<i>By propagandist work:</i>		
To clerical assistance ...	1,265.07	
To postage	1,974.00	
To stationery and printing	1,693.05	\$4,932.12
<i>By miscellaneous disbursements:</i>		
To treasurer, transfer of Colburn bequest	750.00	
To refund of dues	8.00	\$758.00
		<u>\$36,631.49</u>
By balance to new account		\$3,836.43
		<u>\$40,467.92</u>

The foregoing account has been examined and found correct, the expenditures being supported by proper vouchers. The balance of \$3,836.43 is with the following Washington, D. C., banks:
American National Bank of Washington \$1,599.95
American Security & Trust Company... 2,236.48
\$3,836.43

WASHINGTON, D. C.,
April 16, 1917

HERBERT A. GILL,
Auditor